78.   (New)   A method for configuring a data processor, the data processor including cells arranged in a multi-dimensional pattern, comprising the steps of:

grouping at least some of the cells into functional units;

enabling by a state machine the at least some of the cells;

after the enabling step, processing data by the functional units;

receiving, by a reconfiguration unit, state information regarding at least one of the functional units;

disabling by the state machine at least some of the cells of the at least one of the function units while others of the function units are still enabled;

transmitting, by the reconfiguration unit, respective configuration data to the at least one of the functional units as a function of the received state information; and

after the disabling step, reconfiguring at least one of the cells in the at least one of the functional units as a function of the respective configuration data while simultaneously other functional units continue processing data.
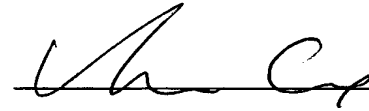
REMARKS

Claims 1-14 have been canceled, without prejudice.   Claims 15-78 have been added.   No new matter has been added.   It is respectfully submitted that the subject

matter of the present application is new, non-obvious, and useful. Prompt consideration and allowance of the application are respectfully requested.

Respectfully submitted,
KENYON & KENYON

Dated: 12 April 1998   By: _____

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17